Title (en)

METHOD AND MATERIAL FOR SITE ACTIVATED COMPLEXING OF BIOLOGIC MOLECULES

Title (de)

VERFAHREN UND MATERIAL FÜR STELLENAKTIVIERTE KOMPLEXBILDUNG BIOLOGISCHER MOLEKÜLE

Title (fr)

PROCÉDÉ ET MATÉRIAU POUR UNE COMPLEXATION À SITES ACTIVÉS DE MOLÉCULES BIOLOGIQUES

Publication

EP 2403938 A4 20131016 (EN)

Application

EP 10749160 A 20100301

Priority

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Abstract (en)

[origin: US2010158885A1] Methods of and compositions for producing and using plant-based materials are provided. The methods include using biopolymers or their synthetic equivalents combined with a stable source of reactive oxygen species that when applied to or combined with a separate source of oxido-reducing enzyme or catalyst will cause the formation of an activated biopolymer with increased protein binding affinity and microbial control activities.

IPC 8 full level

A01N 65/08 (2009.01); **A61K 36/185** (2006.01); **A61K 36/82** (2006.01); **A61K 38/44** (2006.01); **C07G 1/00** (2011.01); **C07K 1/107** (2006.01); **C12N 5/04** (2006.01)

CPC (source: EP US)

A01N 59/00 (2013.01 - US); **A01N 65/08** (2013.01 - US); **A23K 20/111** (2016.05 - EP US); **A23L 33/105** (2016.07 - EP US); **A61K 31/05** (2013.01 - EP US); **A61K 31/122** (2013.01 - EP US); **A61K 33/40** (2013.01 - EP US); **A61K 36/185** (2013.01 - EP US); **A61K 36/22** (2013.01 - US); **A61K 36/82** (2013.01 - EP US); **A61K 38/44** (2013.01 - EP US); **A61P 1/00** (2017.12 - EP); **A61P 1/12** (2017.12 - EP US); **A61P 17/02** (2017.12 - EP US); **A61P 29/00** (2017.12 - EP); **A61P 31/00** (2017.12 - EP); **A61P 31/04** (2017.12 - EP US); **A61P 31/12** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07G 1/00** (2013.01 - EP US); **C07K 1/1072** (2013.01 - EP US); Y02A 50/30 (2017.12 - EP US)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

US 2010158885 A1 20100624; **US 8343552 B2 20130101**; AU 2010221579 A1 20110915; AU 2010221579 B2 20150611; BR PI1006287 A2 20150825; CA 2754226 A1 20100910; CA 2754226 C 20170228; CN 102421891 A 20120418; CN 102421891 B 20151125; DK 2403938 T3 20200316; EP 2403938 A1 20120111; EP 2403938 A4 20131016; EP 2403938 B1 20191211; ES 2791485 T3 20201104; HK 1164916 A1 20120928; HR P20200392 T1 20200904; HU E049150 T2 20211228; IL 214951 A0 20111130; IL 214951 A 20160831; IL 245765 A0 20160630; JP 2012519690 A 20120830; JP 2016000743 A 20160107; JP 2017061529 A 20170330; JP 6047207 B2 20161221; KR 101790352 B1 20171026; KR 20110123791 A 20111115; MX 2011009242 A 20120228; MX 344857 B 20170110; MY 172676 A 20191210; PH 12015502712 A1 20160815; PH 12015502712 B1 20160815; PH 12017501978 A1 20190128; PL 2403938 T3 20200921; RU 2011138328 A 20130410; RU 2571924 C2 20151227; SG 10201502453S A 20150528; SG 10201503255S A 20150629; SG 173905 A1 20110929; TW 201039752 A 20101116; TW 201634053 A 20161001; TW I632856 B 20180821; US 2013078322 A1 20130328; US 2014072655 A1 20140313; US 2014072660 A1 20140313; US 2014161902 A1 20140612; US 2019000909 A1 20190103; US 2021038674 A1 20210211; US 8586110 B2 20131119; WO 2010101844 A1 20100910; ZA 201106974 B 20120530

DOCDB simple family (application)

US 71527010 A 20100301; AU 2010221579 A 20100301; BR PI1006287 A 20100301; CA 2754226 A 20100301; CN 201080019845 A 20100301; DK 10749160 T 20100301; EP 10749160 A 20100301; ES 10749160 T 20100301; HK 12104309 A 20120503; HR P20200392 T 20200310; HU E10749160 A 20100301; IL 21495111 A 20110904; IL 24576516 A 20160522; JP 2011553012 A 20100301; JP 2015146637 A 20150724; JP 2016225240 A 20161118; KR 20117023149 A 20100301; MX 2011009242 A 20100301; MY PI2011004116 A 20100301; PH 12015502712 A 20151204; PH 12017501978 A 20171027; PL 10749160 T 20100301; RU 2011138328 A 20100301; SG 10201502453S A 20100301; SG 10201503255S A 20100301; SG 2011062767 A 20100301; TW 105118724 A 20100303; TW 99106177 A 20100303; US 2010025805 W 20100301; US 201213680007 A 20121116; US 201314027228 A 20130915; US 201314027235 A 20130915; US 201414178459 A 20140212; US 201815878239 A 20180123; US 202016809076 A 20200304; ZA 201106974 A 20110923